



Water-Data Report 2008

**08177300 Perdido Creek at Farm to Market Road 622 near Fannin, TX**

Guadalupe Basin  
Lower Guadalupe Subbasin

LOCATION.--Lat 28°45'05", long 97°19'01" referenced to North American Datum of 1927, Goliad County, TX, Hydrologic Unit 12100204, at right downstream end of bridge on Farm Road 622, 1.2 mi downstream from Farmer Creek, 3.1 mi upstream from Kilgore Creek, and 6.1 mi northwest of Fannin.

DRAINAGE AREA.--28.0 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--June 1978 to Sept. 1991 (daily mean discharge), Oct. 1991 to Dec. 2001 (peak discharges greater than base discharge), Jan. 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is 134.66 ft above NGVD of 1929. Satellite telemeter at station.

REMARKS.--Records fair, except daily discharges greater than 3,500 ft<sup>3</sup>/s, which are poor. No known regulation or diversions.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 20, 1976, reached a stage of 26.28 ft, and flood of Sept. 15, 16, 1967, reached a stage of 26.08 ft, from information by the Texas Department of Transportation.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,200 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Jul 8	0845	*2.4	*5.07

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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	---	0.49	0.37	0.22	0.22	0.28	0.35	0.31	0.07	0.00	0.00	0.28
<b>2</b>	0.71	0.47	0.37	0.22	0.24	0.29	0.33	0.31	0.07	0.00	0.00	0.25
<b>3</b>	0.71	0.47	0.34	0.23	0.26	0.30	0.33	0.30	0.06	0.00	0.00	0.23
<b>4</b>	0.69	0.47	0.34	0.24	0.26	0.27	0.33	0.29	0.06	0.00	0.00	0.20
<b>5</b>	0.69	0.46	0.34	0.24	0.25	0.28	0.32	0.31	0.05	0.00	0.00	0.18
<b>6</b>	0.67	0.45	0.34	0.23	0.23	0.44	0.31	0.33	0.05	0.01	0.00	0.16
<b>7</b>	0.66	0.45	0.35	0.24	0.23	0.40	0.31	0.32	0.04	0.06	0.00	0.13
<b>8</b>	0.69	0.44	0.34	0.23	0.23	0.31	0.32	0.29	0.04	1.3	0.00	0.11
<b>9</b>	0.69	0.43	0.34	0.22	0.24	0.32	0.32	0.26	0.03	0.34	0.00	0.15
<b>10</b>	0.64	0.43	0.32	0.22	0.25	0.34	0.32	0.25	0.02	0.19	0.00	0.17
<b>11</b>	0.63	0.42	0.33	0.21	0.26	0.34	0.30	0.23	0.02	0.10	0.00	0.19
<b>12</b>	0.61	0.41	0.32	0.21	0.26	0.32	0.28	0.21	0.01	0.07	0.00	0.18
<b>13</b>	0.59	0.41	0.37	0.20	0.25	0.32	0.27	0.23	0.01	0.05	0.00	0.16
<b>14</b>	0.59	0.41	0.34	0.20	0.25	0.33	0.28	0.24	0.01	0.04	0.00	0.14
<b>15</b>	0.62	0.38	0.32	0.22	0.26	0.31	0.28	0.22	0.00	0.03	0.00	0.13
<b>16</b>	0.63	0.37	0.29	0.32	0.29	0.31	0.29	0.22	0.00	0.03	0.00	0.10
<b>17</b>	0.61	0.40	0.29	0.23	0.31	0.33	0.30	0.23	0.00	0.03	0.00	0.08
<b>18</b>	0.58	0.43	0.30	0.23	0.27	0.38	0.35	0.21	0.00	0.02	0.00	0.06
<b>19</b>	0.55	0.42	0.30	0.44	0.26	0.36	0.30	0.20	0.00	0.02	0.00	0.05
<b>20</b>	0.52	0.41	0.30	0.27	0.27	0.32	0.30	0.18	0.00	0.02	0.00	0.04
<b>21</b>	0.52	0.42	0.29	0.27	0.28	0.33	0.32	0.17	0.00	0.01	0.00	0.03
<b>22</b>	0.51	0.45	0.28	0.27	0.27	0.34	0.31	0.15	0.00	0.01	0.01	0.02
<b>23</b>	0.51	0.40	0.26	0.27	0.27	0.34	0.29	0.15	0.00	0.01	0.01	0.02
<b>24</b>	0.51	0.48	0.26	0.27	0.28	0.34	0.28	0.13	0.00	0.02	0.01	0.02
<b>25</b>	0.50	0.45	0.26	0.26	0.28	0.34	0.29	0.13	0.00	0.02	0.01	0.01
<b>26</b>	0.48	0.41	0.25	0.26	0.25	0.35	0.55	0.11	0.00	0.01	0.01	0.01
<b>27</b>	0.48	0.38	0.20	0.25	0.25	0.35	0.37	0.11	0.00	0.01	0.01	0.01
<b>28</b>	0.49	0.37	0.24	0.25	0.27	0.34	0.32	0.10	0.00	0.01	0.07	0.00
<b>29</b>	0.50	0.37	0.25	0.25	0.27	0.36	0.29	0.10	0.00	0.00	0.32	0.00
<b>30</b>	0.49	0.37	0.24	0.23	---	0.37	0.29	0.09	0.00	0.00	0.30	0.00
<b>31</b>	0.50	---	0.24	0.24	---	0.36	---	0.08	---	0.00	0.30	---
<b>Total</b>	17.57	12.72	9.38	7.64	7.51	10.37	9.50	6.46	0.54	2.41	1.05	3.11
<b>Mean</b>	0.59	0.42	0.30	0.25	0.26	0.33	0.32	0.21	0.02	0.08	0.03	0.10
<b>Max</b>	0.71	0.49	0.37	0.44	0.31	0.44	0.55	0.33	0.07	1.3	0.32	0.28
<b>Min</b>	0.48	0.37	0.20	0.20	0.22	0.27	0.27	0.08	0.00	0.00	0.00	0.00
<b>Ac-ft</b>	35	25	19	15	15	21	19	13	1.1	4.8	2.1	6.2

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2008<sup>b</sup>, BY WATER YEAR (WY)**

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	7.61	19.6	2.69	3.99	4.39	2.83	4.45	9.60	10.3	8.95	0.47	5.90
<b>Max</b>	72.0	310	36.5	31.6	32.2	15.8	41.8	84.5	1,670	47.1	3.04	47.4
(WY)	(1982)	(2005)	(1987)	(1979)	(1982)	(2005)	(1991)	(1981)	(1993)	(2007)	(2007)	(2003)
<b>Min</b>	0.00	0.00	0.00	0.04	0.04	0.08	0.02	0.05	0.00	0.00	0.01	0.00
(WY)	(1990)	(1990)	(1990)	(1990)	(2002)	(2006)	(2006)	(2006)	(1990)	(1989)	(2006)	(1988)

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	<b>Calendar Year 2007</b>	<b>Water Year 2008</b>	<b>Water Years 1978 - 2008<sup>h</sup></b>
<b>Annual total</b>	2,237.82	88.26	
<b>Annual mean</b>	6.15	0.24	6.66
<b>Highest annual mean</b>			1,670
<b>Lowest annual mean</b>			0.22
<b>Highest daily mean</b>	627	Jul 5	1,670
<b>Lowest daily mean</b>	0.07	Jan 16	0.00
<b>Annual seven-day minimum</b>	0.13	Jan 11	0.00
<b>Maximum peak flow</b>		2.4	5,480
<b>Maximum peak stage</b>		5.07	Nov 21, 2004
<b>Annual runoff (ac-ft)</b>	4,440	175	0.00
<b>10 percent exceeds</b>	4.4	0.47	28,900
<b>50 percent exceeds</b>	0.59	0.26	1.7
<b>90 percent exceeds</b>	0.20	0.00	0.32
			0.02

<sup>h</sup> See Period of Record paragraph.<sup>a</sup> From floodmark.